**Bell Ringer**: Furry Evolution FRQ

*AP Biology*

Field mice living in a particular region can vary in color as either light brown or dark brown. The light brown mice show a greater fitness for areas that have leaf litter and those with darker fur have a higher fitness in areas that are rocky or have little leaf litter. A forested region has a general mouse population as depicted in the graph below.

| 1. Predict and explain what might happen to the overall mouse population if the forest was timbered. 2. Using the axes provided, construct a graph that models your expected change in the population as a result of the disturbance. 3. Describe the type of selection this change represents, and predict how the allele frequencies in the population may change as a result. |  |
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